

East St. Louis Regional Economic Resilience Forum

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**US Army Corps of Engineers
BUILDING STRONG®**



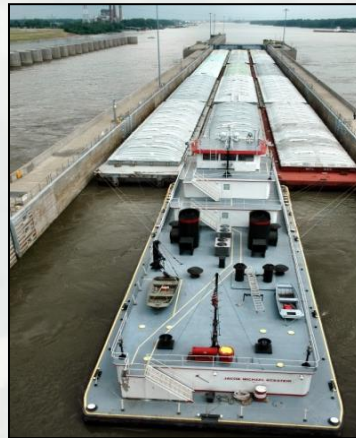
St. Louis District Mission

"Provide engineering and water resource solutions that improve safety, energize the economy, sustain the environment and enhance the quality of life for those we serve through expertise, innovation and partnerships."



SAFETY

Emergency
Operations
Flood Fight
FUSRAP



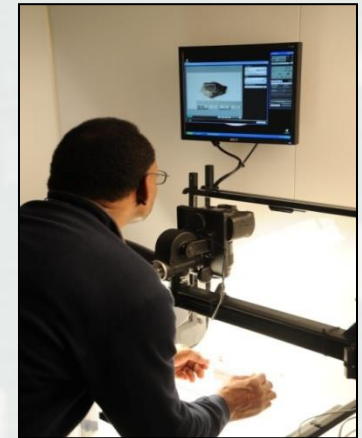
ECONOMY

Navigation
Hydropower
Recreation
Flood Risk
Management



QUALITY OF LIFE

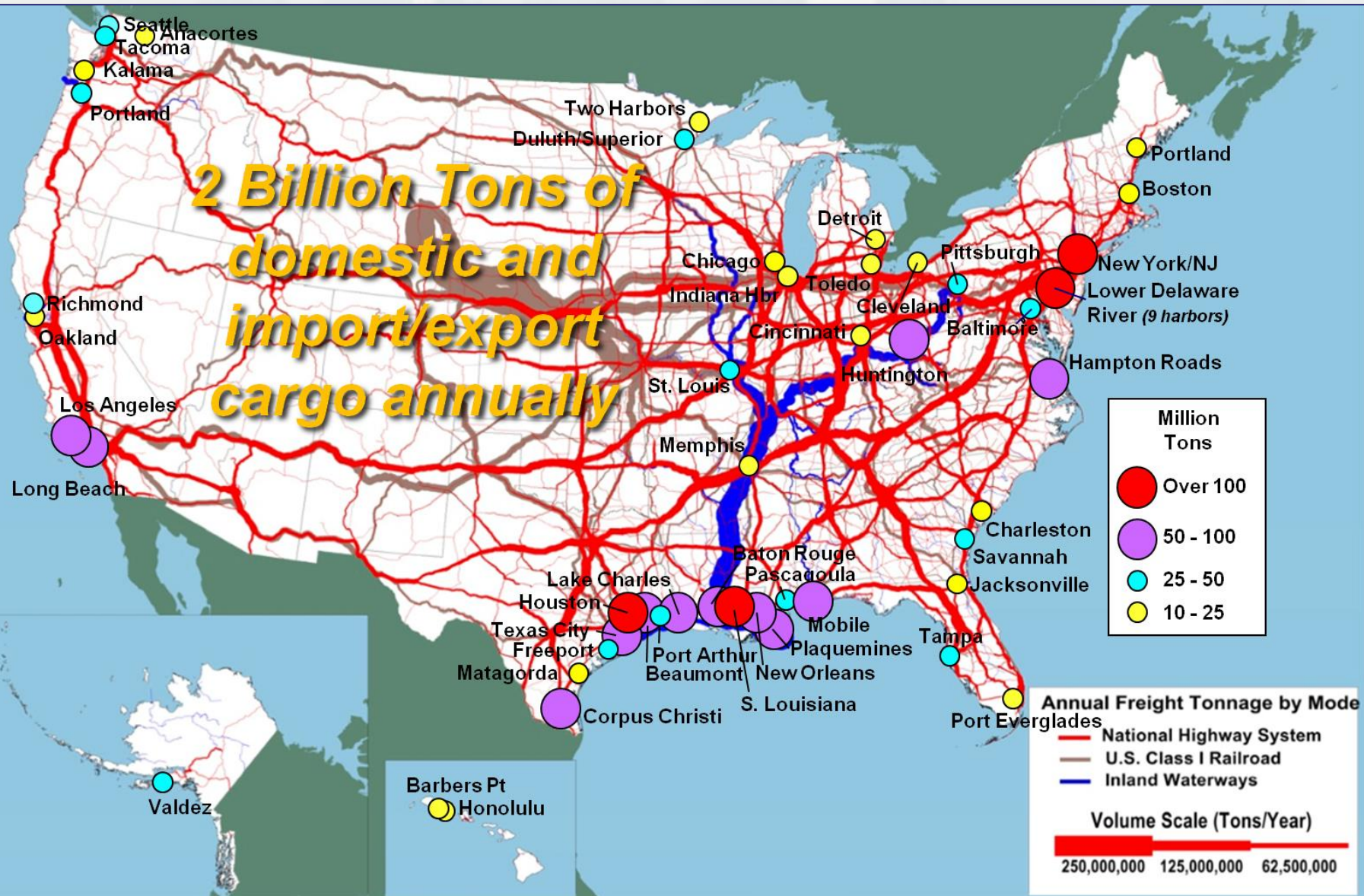
Regulatory
Environmental
Stewardship
Water Supply
Ecosystem Restoration



INNOVATION

Centers of
Expertise
Veterans Curation
Program

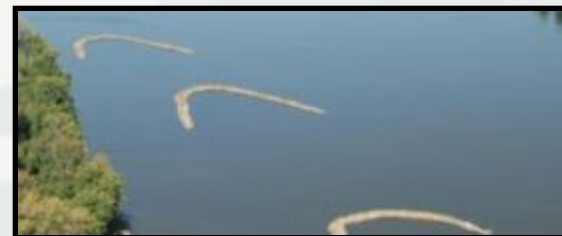
U.S. Ports and Inland Waterways: Vital to our National Economy



Navigation

Value to the Nation: How Do We Do It

- **Water Management/Control**
 - Monitor River, Reservoir, Tributary Gages
 - River Stage Forecast
 - Navigation Pool and Reservoir Management
 - Communication with Industry/Public
- **Locks and Dams**
 - Operation and Maintenance
 - National Strategy
- **Dredging**
 - Channel Patrol/Reconnaissance
 - Surveys
 - Dredge – Government and Contractor Plant
- **River Engineering**
 - Improvements to channel and environment
 - Model Studies
 - Construction

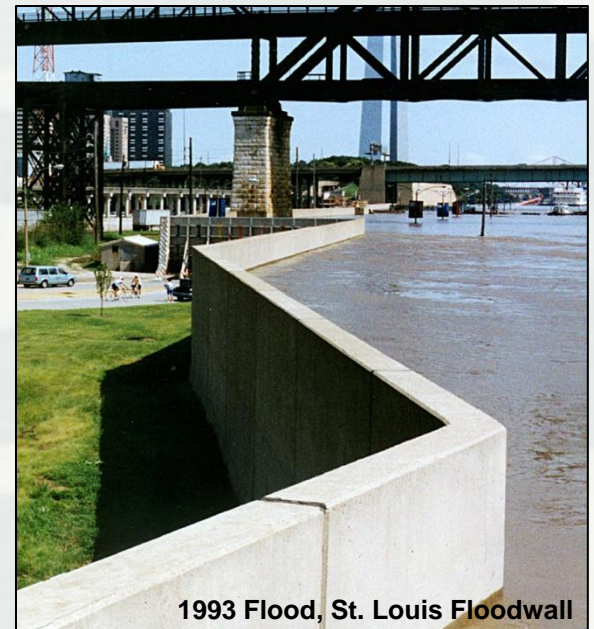


Flood Risk Management

- Shared responsibility
- Since 1960, Flood Risk Management infrastructure has prevented more than \$14.8 billion in damages within the St. Louis District.
- FRM Project significant to the East St. Louis Area
 - East St. Louis and Chain of Rocks Levee System



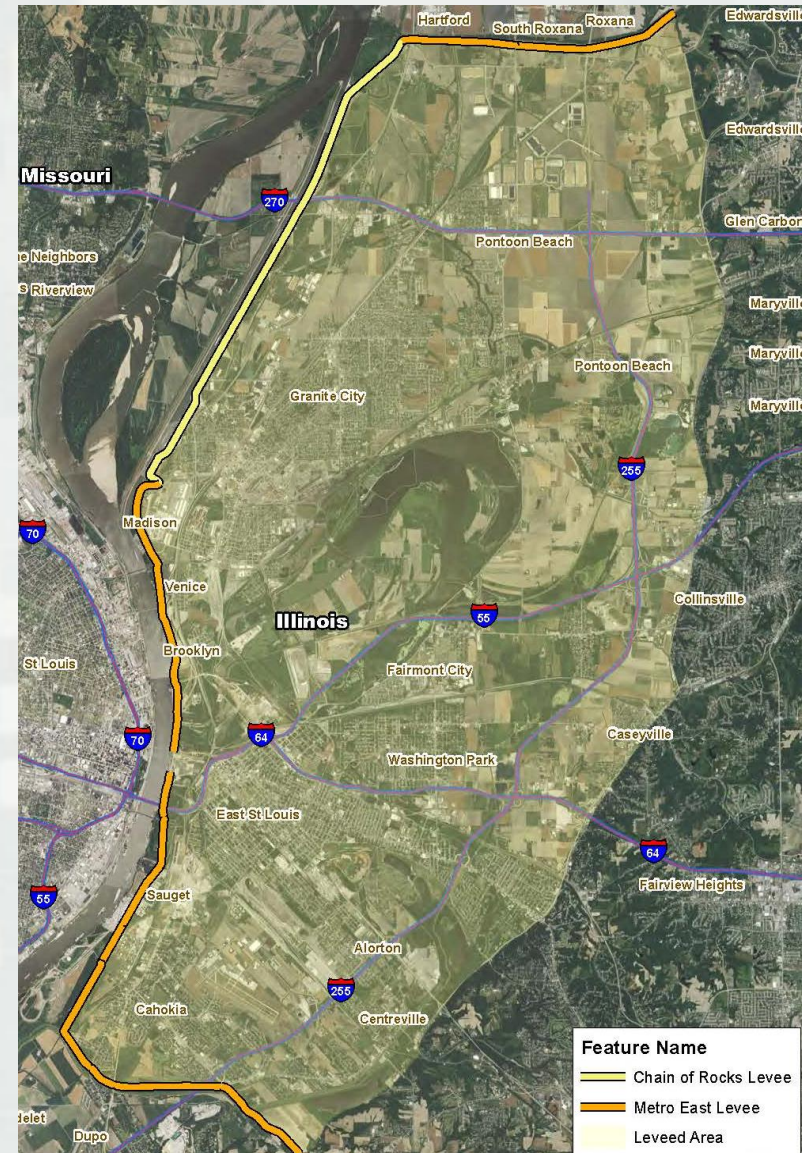
Mark Twain Dam



1993 Flood, St. Louis Floodwall

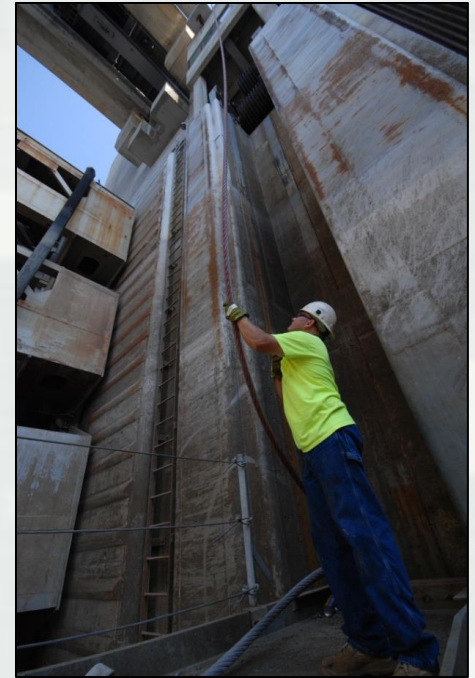
East St. Louis and Chain of Rocks Levee System

- Improves public safety
- The joint system protects;
 - 86,000 acres,
 - 250,000 inhabitants (who live, work or pass through the area)
 - over \$4.5 billion in property assets.
- Supports navigation



Challenges

- **Aging Infrastructure**
 - ▶ Locks and Dams
 - ▶ Levees
- **Climate Change**
 - ▶ Droughts and Low Water
 - ▶ Flooding
- **Tests System Resiliency**



Integrated Water Resource Management

- An obligation to provide a safe and dependable navigation channel through the completion of our rock removal efforts
- Public safety is our top priority. We work with sponsors and partner agencies to plan, design, construct, operate, and maintain our flood risk management infrastructure and ensure public safety.
- A high priority focus on developing ecosystem restoration opportunities targeting the Middle Mississippi River

A continual emphasis and understanding that these missions are not in conflict but through thoughtful planning and coordination can, and will, complement each other

Chevron Construction



St. Louis Flood Protection Ribbon Cutting



Horseshoe Lake, Alexander County, Illinois

